Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/03/2019 09:38 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125160	0	1.07	125196	1.08
Blue	F	SSC	125000	124566	-1	1.71	125313	1.70
Blue	E	FITC	16122	15611	-4	2.68	339	19.02
Blue	D	PE	29316	28894	-2	1.89	627	14.54
Blue	B	PerCP-Cy5-5	42590	42067	-2	3.56	1128	20.14
Blue	A	PE-Cy7	33146	33495	1	6.04	641	40.28
Red	C	APC	45473	44777	-2	2.42	1578	12.47
Red	A	APC-Cy7	31961	30740	-4	2.32	815	11.96
Violet	B	V450	7914	7513	-6	5.24	422	13.87
Violet	A	V500	29769	28516	-5	5.14	665	11.06

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20787	2.77	608	8	N/A	N/A	Pass
Blue	F	SSC	56657	1.18	554	16	N/A	N/A	Pass
Blue	E	FITC	63	63.54	540	3	0.0241	232	Pass
Blue	D	PE	130	49.42	543	6	0.1688	274	Pass
Blue	B	PerCP-Cy5-5	208	50.13	648	10	0.0094	87	Pass
Blue	A	PE-Cy7	120	100.08	701	10	0.0112	18	Pass
Red	C	APC	377	26.27	588	9	0.0231	176	Pass
Red	A	APC-Cy7	179	29.65	563	7	0.0057	1401	Pass
Violet	B	V450	63	63.54	465	5	0.0498	2294	Pass
Violet	A	V500	100	31.45	477	5	0.0209	357	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.22	-31.90	1.01
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.50
Red	16.55	13.60 - 20.40	N/A	N/A	29.52	29.96	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11012

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments